

ACADEMY

Newsletter

DEDICATED
TO SCIENTIFIC
RESEARCH AND
EDUCATION,
INSPIRING
RESPECT FOR
THE NATURAL
WORLD



MEMBERS MEETING

GRIZZLY BEARS OF THE NORTHERN ROCKIES

with Matt Reid, Great Bear Foundation — Nov. 15, 2 p.m. & 7:30 p.m.

The grizzly bear evolved on the flat, treeless spaces of the Great Plains. With little or no cover available, the grizzly learned to stand and fight in the face of danger. Now the grizzly bear faces another danger — extinction. The greatest threat to this animal is habitat reduction. Fewer than 1,000 grizzly bears remain, found almost exclusively in some 10 million acres of wilderness in Idaho, Montana, Washington and Wyoming.

The Great Bear Foundation in Bozeman, Montana is fighting to preserve the grizzly bear's ecosystems throughout the northern Rocky Mountains. This organization's efforts in research, management and conservation extend to all species of bears worldwide. Matt Reid, executive director of the Great



The Great Bear Foundation

Bear Foundation, will talk about the grizzly bear's plight, explain current research and outline endeavors in the conservation and management of these magnificent animals.

Reid has spent seven years as a field researcher on grizzly bear projects in Alaska, Montana and Wyoming. He has led more than 100 field trips to view bears and wilderness areas throughout North America. In addition to testifying before Congress on bears and wildlife issues, he has published seven professional papers

and more than 130 popular articles on bears.

Please present your membership card at the Academy's entrance and again at the auditorium. This members meeting is provided as a benefit of membership and thus is only open to Academy members.

Back From the Ooze

Special Program with Ray Troll and Brad Matsen

Back by popular demand, the Academy presents Ray Troll and Brad Matsen, **Nov. 29**, whose book *Planet Ocean: A Story of Life, the Sea and Dancing to the Fossil Record* was the inspiration behind our special exhibit "Dancing to the Fossil Record." The paleo-pals will present artwork and readings from *Planet Ocean* as well as slides from their two-year pilgrimage through the fossil beds of time. If you missed the July members meeting or have a friend who might be interested, here's your chance to meet Troll and Matsen and trace their ambitious trek through North America.

Troll's drawings, posters, books and T-shirts have earned him fans from coast to coast. Matsen is the author of six books and his writings have appeared in dozens of magazines. A book-signing will follow the lecture, and the exhibit "Dancing to the Fossil Record" will be open for your viewing pleasure.

Members, please arrive early to be assured a seat, as this special program will be open to the general public and there will be no priority seating for members. A 2 p.m. presentation will be free to the public after general Academy admission. A 7:30 p.m. presentation will be free to all.



Rare Scientific Discovery Made at the Academy

The scientific community is abuzz with the finding of a true "living fossil" in the Academy's entomology department. A living fossil is the term for an organism that was thought to be extinct but then was found still to be living. The excitement is about a tiny primitive wasp that scientists believed had died out 25 million years ago, yet whose descendants managed to survive through the millennia. The as-yet unnamed insect shares the rank of living fossil with only two other organisms: the coelacanth, a primitive bony fish rediscovered in 1938, and the dawn redwood, found growing in a remote province of China in 1944.

The wasp is a species of sawfly, from the genus *Xyela* and the subgenus *pinicolites*. It was identified by a visiting Russian entomologist, Alexander Rasnitsyn, who was looking at some wasp specimens with Wojciech Pulawski, curator of entomology at the Academy. Pulawski said the discovery "was a most exciting moment, the kind of moment that doesn't often happen in science." The two are collaborating on the first scientific announcement of their finding, including the new species' name, which they have the honor of choosing.

"... a most
exciting
moment, the
kind of
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doesn't often
happen in
science."



Susan Middleton



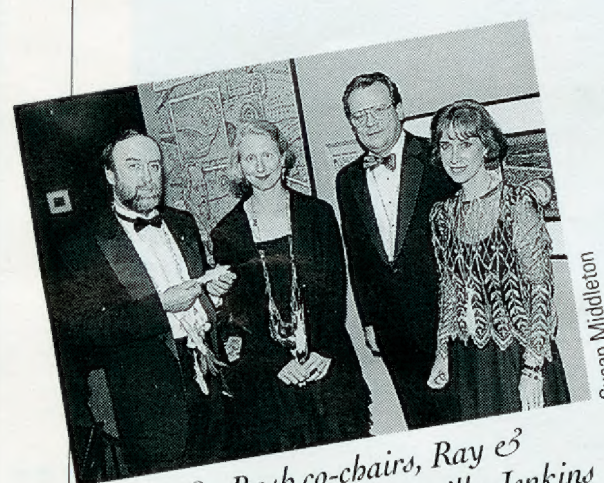
**VOTE YES
ON PROP. C,
NOV. 7**

Your vote is needed to save Steinhart Aquarium. Even though this measure is the most-endorsed proposition on the ballot this year, we still need your support on Election Day, Tues., Nov. 7 to make it a reality. Please vote YES on Proposition C to help Steinhart Aquarium.

Membership Dues to Increase in 1996

It has been several years since we raised the membership dues, and over those years the Academy has experienced phenomenal growth, a testimony to the members' support of the Academy. We wish to thank you, the membership and donor base of the Academy, who provide the vital resources and support to keep us fiscally strong and able to deliver a quality museum to the residents and visitors of the Bay Area.

Costs of operating the Academy of Sciences — and sustaining the highest quality — consistently rise. In order to meet these rising costs we must periodically increase our rates. Beginning in January 1996, the family and grandparent membership will increase to \$60, individual to \$45 (includes your children under 18 years), dual senior to \$40, and senior to \$35. Student memberships will be phased out over the next year. A new category of membership has been created, out-of-towner at \$35, (zip codes beginning with 900 to 935 only, or outside of California).



Barracuda Bash co-chairs, Ray & Michelle Troll; Bob & Priscilla Jenkins

Barracuda Bash A Splashing Success

More than 1,300 revellers came by hook, line and sinker to the Academy's fourth annual summer-time gala, the Barracuda Bash, held on July 22. The event

raised an unprecedented \$30,000 for the Academy's broad range of environmental education programs. Gala sponsor American Airlines provided two international tickets for lucky drawing winners Mr. and Mrs. Fernando Balazs. Mark your calendar for next year's gala, July 13.



An attack of ferocious fishes was survived by two Barracuda Bash revellers

Your Plans Can Help Your Future and Ours

If you have provided for the Academy of Sciences in your estate plans, please let us know. If you would like to know more, let us tell you some things a bequest can do:

- Support research and education at the Academy
- Possibly reduce the tax burden on your estate
- Permanently link your name to the Academy
- Qualify you for life membership in the Eastwood Associates, honoring individuals who support the Academy through estate planning.

For further information on the benefits of estate planning for you and for the Academy of Sciences, please call the development office at 750-7216, or complete the order form on the back of this newsletter to receive information.

The Holiday Gift Season Is Upon Us

As the holidays approach, you'll want to spend this time with family and friends — not on last-minute shopping. Bring cheer to everyone on your list with a gift membership to the Academy of Sciences. Convenient to give, modest in cost, an Academy membership is sure to please friends, relatives, business associates and young people all year long.

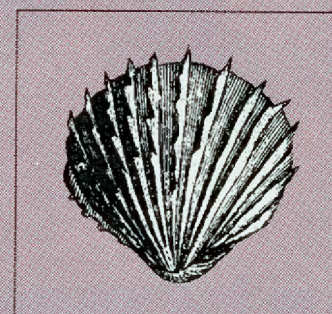
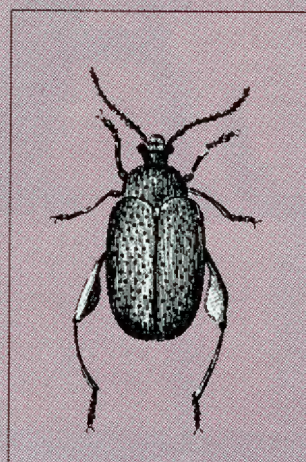
To bring the benefits of Academy membership to your friends and loved ones, use the order form on the back of this newsletter, or call the membership office at 750-7111 and we'll be happy to take your order over the phone. As a special thank you from us, everyone who purchases a gift membership will receive free one of our famous, color, sea life calendars for 1996, with photos by Eric and Foster Bam and text by Dr. John McCosker.

California Academy of Sciences

Conversations & Lectures at the Herbst Theatre

1996

All Programs at 8 p.m.



The Annual Claire Matzger Lilienthal Distinguished Lecture



Thur.
Jan. 11

STEPHEN JAY GOULD

Evolutionary Biologist, Paleontologist & Author: *The Panda's Thumb*; *The Mismeasure Of Man*; *Dinosaur in a Haystack*



Mon.
Mar. 4

EDWARD HOAGLAND

Essayist, Travel Writer & Novelist: *The Tugman's Passage*; *Seven Rivers West*
In Conversation with Gretel Ehrlich



Tue.
Apr. 2

DAVID BROWER

Environmentalist & Founder: Earth Island Institute & Friends of the Earth, Author: *Let the Mountains Talk*; *Let the Rivers Run*
In Conversation with Mark Dowie

Third Annual Wallace Stegner Memorial Program



Thur.
Apr. 25

IVAN DOIG

Novelist & Essayist: *This House of Sky*; *Heart Earth*; *Dancing at the Rascal Fair*
"The American West As Heart Earth"



Mon.
May 13

E.O. WILSON

Biologist & Pulitzer Prize-Winning Author: *Naturalist*; *The Ants*; *On Human Nature*; *The Diversity of Life*



Tues.
May 28

MARY CATHERINE BATESON

Anthropologist & Author: *Composing a Life*; *Peripheral Visions*; *Learning Along the Way*; *With a Daughter's Eye*
In Conversation with Dr. Philip Zimbardo

*This series is made possible by a grant from
The Columbia Foundation.*

Ticket Order Form

(Subscription orders will be given priority attention.)

Name _____ Daytime Phone _____
Address _____ Home Phone _____
City _____ State _____ Zip _____
MasterCard/Visa/American Express # _____ Exp. Date _____

SERIES TICKETS:

Please send me _____ series tickets at \$78 each.

C.A.S. MEMBERS SERIES TICKETS:

Please send me _____ series tickets at \$60 each.

Mail check (payable to City Box Office) or credit card number with self-addressed & stamped envelope to:
City Box Office
153 Kearny Street, Suite 402
San Francisco, CA 94018

INDIVIDUAL TICKETS:

	Regular Price	C.A.S. Members
Gould	\$16	\$12
Hoagland	\$16	\$12
Brower	\$16	\$12
Doig	\$16	\$12
Wilson	\$16	\$12
Bateson	\$16	\$12

Tickets _____ \$ _____
Mail Order Handling Charge _____
Add \$1 Per Ticket _____
(one season ticket = one ticket) \$ _____
TOTAL ENCLOSED \$ _____

For more information call (415) 392-4400.

Scientific Illustration with Mixed Media

Join instructor Lynette Cook for an intensive workshop where you'll use a variety of media to create realistic scientific renderings. This color mixed media technique combines watercolor, gouache, colored pencils and acrylics, and achieves photographic results more quickly than working in a single medium. During our first two meetings you'll render a foreground with watercolor and Prismacolor. In the final meeting, you'll put in a mixed-media background.

Dec. 5-19 (3 Tues.) — 7 p.m. to 10 p.m.
Cost: \$75 members/\$85 nonmembers (does not include materials)

Watercolor Greeting Cards

Treat yourself to a day of painting holiday cards. Instructor Nell Melcher's approach will be playful

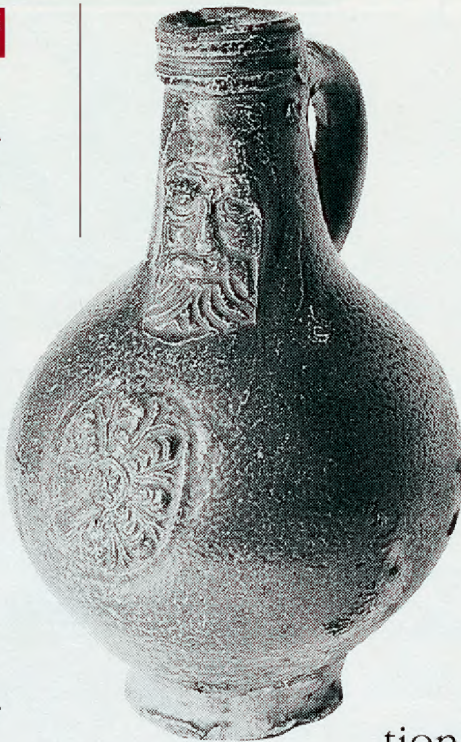
and the results will delight your friends. We'll use traditional and nontraditional techniques. Novice and expert artists welcome.

Nov. 5 — 10 a.m. to 4 p.m.
Cost: \$45 members/\$55 nonmembers (does not include materials)

Electronic Pictures

After 150 years, the technology for making pictures is about to explode. Conventional photography is being augmented by new electronic schemes that will revolutionize the way we take and "develop" photos. Instructor Dr. Seth Shostak will talk about the science of imaging, how photography and electronic cameras work, what high definition television is and how home computers may become the "darkroom" of the future.

Dec. 7 & 14 — 7 p.m. to 9 p.m.
Cost: \$35 members/\$45 nonmembers

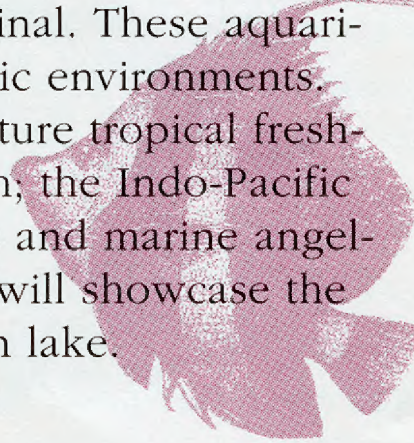


It's a Bird, It's a Plane, It's an Academy Exhibit...

These new exhibits aren't up in the sky but they are mingling with the planes and passengers at the San Francisco International Airport. Holiday travelers will be able to enjoy two displays from the Academy of Sciences — one from the anthropology department and the other from the aquarium.

More than 600 food-related objects from the Academy's anthropological collections are featured in "Cuisine: For the Kitchen, On the Table," currently on display and continuing through February in the United North Connector Terminal. See familiar and not-so-familiar tools used in the processing, preparation and serving of food by cultures from around the world.

World-weary travelers will be soothed by the gentle movements of colorful fish when three 125-gallon tanks are installed mid-November in the South Terminal near the entrance to the International Terminal. These aquariums will represent three distinct aquatic environments. The Amazon River community will feature tropical freshwater fish such as angelfish and catfish; the Indo-Pacific community will contain bright wrasses and marine angelfish; and the Lake Malawi community will showcase the unique cichlids endemic to this African lake.



American Indian Art Festival



Black Eagle

Meet Native American artists from many different tribes and peruse beautiful examples of their work Saturday and Sunday, **Nov. 18 and 19** from 10 a.m. to 5 p.m. Award-winning Native American artists working in both traditional and contemporary styles will sell their pottery, baskets, paintings, sculpture, weaving, carvings and more. Members' discount does not apply.

Selected artists will demonstrate their techniques both days in Cowell Hall: basket making, 11:30 a.m.; Northwest coast carving, 12:30 p.m.; micaceous pottery and sculpting 1:30 p.m.; painting, 2:30 p.m.; and weaving, 3:30 p.m.

Performing artists will provide free entertainment in the auditorium both days. Hear American Indian flute music and storytelling at noon and 3 p.m., and acoustic guitar music at 11 a.m. and 4 p.m. There also will be a display of children's art. The performances are free with museum admission.

MORRISON PLANETARIUM



The Christmas Star

Feature Sky Show: Amid the festivities of the season, gaze upon the wonders of a winter night: star clusters, nebulae, red giants, white dwarfs and more. Then explore the mystery of the legendary starlike object that is said to have appeared in the sky 2,000 years ago to herald the arrival of a new age. This well-loved holiday presentation plays Dec. 1 through Jan. 7 at 2 p.m. weekdays, and at 2 & 4 p.m. on weekends and holidays.

Celestial Scenes

Current Sky Shows: The Planetarium will be CLOSED for sky show changes Nov. 27-30. The holiday favorite "The Christmas Star" opens on Dec. 1. Tickets can be purchased a half hour before the show at the box office once inside the Academy. Please remember that members' planetarium passes are not accepted for Laserium performances.

November Schedule

Sky Show / Description	Weekday	Weekend/Holiday
Knock, Knock... <i>search for extraterrestrial life</i>	2 p.m.	2 & 4 p.m.
Encounter With a Giant <i>the solar system's largest planets</i> (ends Nov. 26)	—	1 & 3 p.m.
StarTalk <i>tour of the night sky</i>	—	noon
Where in Space is Carmen Sandiego? <i>a family show</i>	—	11 a.m.

For more information, please call 750-7141.



Valerie MacLean

The Problem of "Dark Matter"

B. Dean Lecture: How does one seek the invisible? This has become one of the most fundamental problems of science today. Observations indicate that

perhaps more than 90 percent of the mass in the universe neither emits nor absorbs light. While there is a growing consensus that such dark matter exists, the exact amount and nature remains unknown. Several candidates, such as MACHOs, WIMPs, axions and massive neutrinos, have been theorized and are being researched. The solution, however, will probably require a combination of tools from cosmology, astrophysics and particle physics.

Professor Bernard Sadoulet, director of the Center for Particle Astrophysics at U.C. Berkeley, will discuss the current status of the dark matter problem, emphasizing recent results and perspectives for progress in the near future.

Tues., Nov. 21 — 7:30 p.m., Tickets, \$3 each

The Fall '95 series will conclude with Dr. Leslie Young, NASA-Ames, Dec.12, on "Solar System Oddities"

For advance tickets, use order form on back of newsletter. Tickets may be available at the door on a standby basis the day of the lecture. Please call 750-7141, for more information.

LU HUAN: STONE CARVINGS

In China, a master artist must be skilled in painting, carving, calligraphy and poetry. In this new exhibit, "Lu Huan: Stone Carvings by a Chinese Master," see the beauty of nature's smaller creatures through one of the world's most gifted carvers, master artist Wang Lu Huan. Realistic stone carvings of snakes, amphibians and insects are presented in exquisite detail by China's only living National Treasure (a designation given to the foremost practitioners of China's traditional arts).

Lu Huan's mastery of techniques and unique presentation of materials will fascinate you in his first solo exhibition in Northern California, featuring 62 lifelike stone carvings and a selection of his paintings, calligraphy and poetry. The exhibit will include pieces the artist considers his best work and some that have never before been on public display. Objects from the Academy's scientific collection will demonstrate the biological and geological principles behind Lu Huan's use of colored veins in metamorphic rock that give his creatures such realistic detail.

Due to the striking color variations in the rock, the ani-



Dong Lin

BY A CHINESE MASTER

*A New Exhibit
in Linking Hall
Dec. 2 to May 26*

mals the master sculpts appear to be carved from a different stone than the one on which it rests, but each sculpture is carved from a single piece of rock without the use of dyes or artificial pigments. Lu Huan uses the veins of quartz, albite, andalusite, muscovite and cinnabar that run through pyrophyllite, a metamorphic rock found mainly in Inner Mongolia.

The significance of this exhibit lies in the difficulty of searching for the appropriate stone. Not only must Lu Huan search the countryside for just the right pieces of rock chosen for their natural color, pattern and degree of hardness, but he also must search the world for living specimens to observe as models. The stone chosen for a sculpture of a cicada exactly matches the color of the real insect and captures the animal's true character.

For the past 17 years, Lu Huan was the only artist-in-residence at the Palace Museum in Beijing. In 1983, the museum acquired his masterpieces for its permanent collection, making him the first living Chinese artist to be so honored.

The exhibit runs Dec. 2 through May 26 in Linking Hall.



©NHMLAC

MASTER LU HUAN DEMONSTRATES HIS WORK

A Special Traditional Arts Program, Dec. 2 & 3 — 1 p.m. to 4 p.m. daily, in Cowell Hall

The Academy of Sciences is honored to present master artist Wang Lu Huan in a demonstration of Chinese stone carving. Lu Huan has developed his own unique style of sculpting using metamorphic rocks. He captures the natural colors present in stone in order to depict lifelike representations from the animal world. In Lu Huan's demonstration, he will describe the various stages of the art form, from the selection of the stone, to choosing and observing the behavior of the appropriate animal for the piece, to the carving techniques used to make the finished sculpture.

ACADEMY TRAVEL



Papua New Guinea

Papua New Guinea is the world's highest tropical island, with 70 percent of the land still cloaked in dense tropical forests. This huge equatorial island is a wondrous place with unique wildlife and ancient cultures. With Terry Gosliner as your guide, you will enjoy three nights on the Sepik River aboard the 18-passenger *M.V. Sepik Spirit*, with stays in the beautiful Karawari Lodge surrounded by dense rain forest and Ambua Lodge, nestled at 7,000 feet overlooking the magnificent Tari Valley, home of the Wigmen and 38 species of bird of paradise. An optional dive extension will be offered.

October 1996

Burma: The Road to Mandalay

Rarely glimpsed and barely changed since the 1950s, Burma is the sleeping beauty of Asia. This is a journey into the past; time's snail-like passage only deepens the sense of immutable traditions, enduring Buddhist faith and unspoiled, unorganized loveliness. With guide Nina Jablonski, you'll visit the charming 19th century capital of Rangoon; the gleaming Shwedagon pagoda; the magnificent, hazy temples of Pagan on the Irrawaddy plain; Mandalay, the cultural soul and former Royal capital; Maymyo, a former British hill station resembling England; the hilly Shan states; and the floating gardens of Inle Lake.

Nov. 2-15, 1996

Cost: \$3,775 per person (double occupancy), airfare not included

For detailed itineraries on these and other Academy tours, please call the travel office at 750-7348.

TRADITIONAL ARTS

Turkish Carpet Weaving Demonstration

Two weavers from the DOBAG women's cooperative in Western Turkey return to the Academy to demonstrate the hand-knotting techniques of woolen pile carpets.

Anatolian carpets have long been known for their bold, geometric designs and their rich palette of natural dyes. The technology has changed very little over the centuries; women still use the drop spindle to spin the yarn and weave on the same type of loom as their ancestors. Village weavers today carry on this cultural legacy, weaving textile designs handed down from mother to daughter. The visit of the weavers is sponsored by Return to Tradition, the San Francisco gallery and outlet for DOBAG carpets.

Nov. 4-12, 10 a.m. to 5 p.m. (Cowell Hall)



Charlotte Florio

The Socio-Economic Impact of the DOBAG Project on Village Weavers

Special Traditional Arts Lecture: In conjunction with the carpet-weaving demonstrations, Dr. Serife Atlihan, professor of textile art at Marmara University of Istanbul,

will present a slide lecture focusing on the effects of the cooperative on the pattern of traditional family life. The DOBAG project reintroduced natural dyes to replace syn-

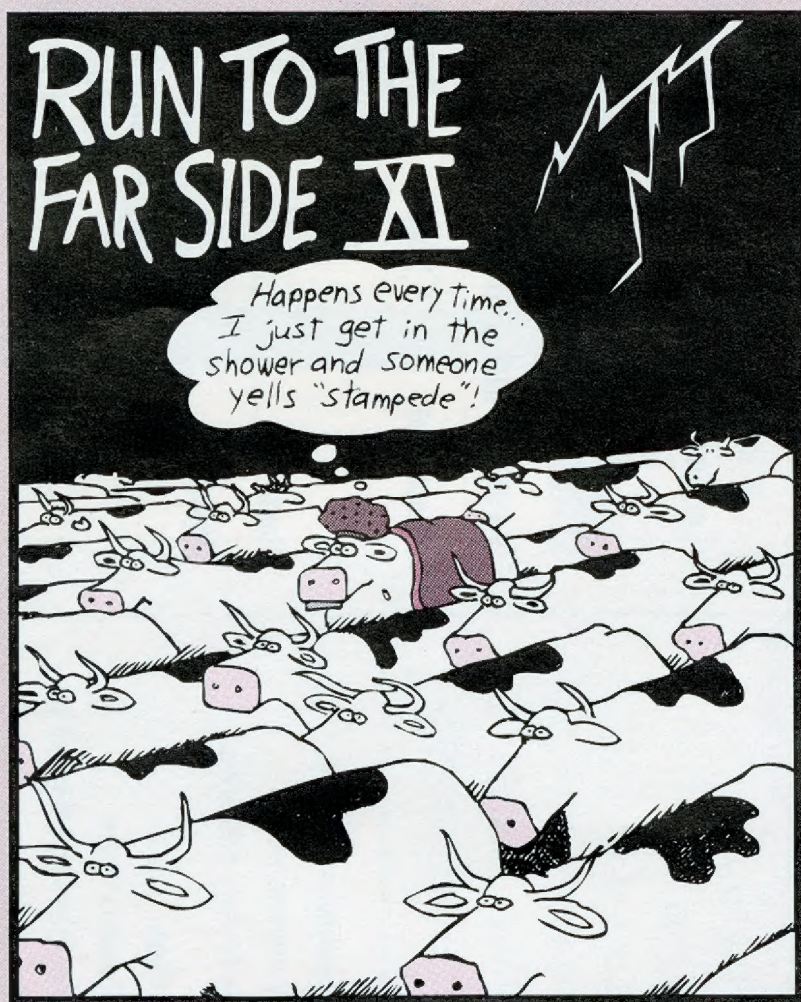
thetic dyes in Turkish carpet-making. Restoring the integrity of the village's carpets produced a marketable commodity that boosted the local economy and raised the standard of living for villagers. Atlihan will discuss the impact of these changes and their effect on cultural customs, including the role of women in village society.

Nov. 10, 7:30 p.m. (Auditorium)
Free admission

Explore cultural traditions from around the world. Free after general admission. The traditional arts program is funded by the Paul L. and Phyllis Wattis Foundation. Call 750-7164, for more information.

THE CALIFORNIA ACADEMY OF SCIENCES PRESENTS...

SUNDAY, NOVEMBER 26, 1995
GOLDEN GATE PARK • SAN FRANCISCO, CA
5K RUN OR WALK • 10K RUN
8:30 AM



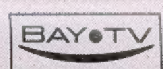
Lace up your running shoes and get ready to receive your sought-after, cartoon design T-shirt when you enter this fun-filled race. The Run to the Far Side is a Thanksgiving weekend tradition. This year's race is Sun., Nov. 26 with a start time of 8:30 a.m. Show your appreciation of Gary Larson's zany creations by coming dressed as your favorite character from his Far Side cartoons.

This tribute to Larson's cartoon genius supports the Academy of Sciences' environmental and research programs. The Academy is still "the only museum on this planet" to show Gary Larson's original cartoons.

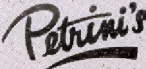
The 10K run and the 5K run/walk both begin and end in front of the Academy of Sciences on the Music Concourse, where after the race you can enjoy an assortment of refreshments, entertainment and festivities. Costumes are the fashionable attire in the 5K walk, with prizes awarded to

the best. There have been cavemen, cows, pink poodles and chickens, to name just a few.

Valued sponsors provide incentives for the 15,000 participants expected to attend this year's race. Southwest Airlines is the race's official airline, offering many opportunities to win free Southwest tickets. Watch for Run to the Far Side Thanksgiving specials at all Bay Area Petrini's Supermarkets. For race updates, stay tuned to media sponsors KRON channel 4, Bay TV, KFRC-FM and the San Francisco Chronicle. Hotel Monaco has special runner room rates with complimentary race day shuttles; Puccini & Pinetti is the official restaurant; warm-up pre-race with Sark's Gourmet Coffee; and enjoy free Thanksgiving calls post-race with Cellular One.



San Francisco Chronicle



PREREGISTER by November 17th for \$20. (Members of the California Academy of Sciences are \$15.) Mail checks (payable to C.A.S.), signed, completed entry form and a self-addressed, stamped envelope to RUN TO THE FAR SIDE c/o RhodyCo Productions, 3929 California Street, San Francisco, CA 94118. OR JOIN US RACE DAY FOR \$25. Sorry, no refunds.

SEX	<input type="checkbox"/> M <input type="checkbox"/> F	DATE OF BIRTH	MO - DAY - YR	<input type="text"/> - <input type="text"/> - <input type="text"/>	Age (on race day)	<input type="text"/>
LAST NAME	<input type="text"/>			FIRST	<input type="text"/>	
ADDRESS	<input type="text"/>			PH#	<input type="text"/> - <input type="text"/> - <input type="text"/>	
CITY	<input type="text"/>			STATE	<input type="text"/>	
RUN TO THE FAR SIDE XI <input type="checkbox"/> 5K <input type="checkbox"/> 10K <input type="checkbox"/> CALIFORNIA ACADEMY OF SCIENCES MEMBER # <input type="text"/> <input type="checkbox"/> NON-MEMBER				WHEELCHAIR <input type="checkbox"/> For Official Use Only		

WAIVER: In consideration of your accepting this entry for RUN TO THE FAR SIDE XI held on November 26, 1995, I, intending to be legally bound, do hereby for myself, my heirs, executors, administrators waive and release any and all rights and claims for damages I may accrue against the California Academy of Sciences, the Recreation and Parks Department, City and County of San Francisco, RhodyCo Productions, Total Race Systems, USA Track & Field, their employees and representatives and all sponsors, volunteers for any and all injuries that may be suffered by me at or enroute to or from the event. I attest that I am physically fit and sufficiently trained for this competition, my physical condition verified by a licensed M.D. during the last six months. I will assume my own medical and emergency expenses in the event of an accident or other incapacity of injury resulting from or occurring from my participation. As part of the waiver I acknowledge that I have read and understood all of the above and, in consideration of this being an amateur event, I grant full permission to any and all organizations which obtain photographs, motion pictures, videotapes, recording or any other record of this event to use them for any purpose whatever.

SIGNATURE _____ DATE _____
 ALL ENTRANTS MUST READ & SIGN WAIVER (Parent or Guardian must sign if under 18)

Native American Jewelry Trunk Show

Academy members may take advantage of a rare opportunity to choose from an incredible array of Native American jewelry as one of the Academy Store's primary suppliers of fine jewelry opens its "trunks" to you. Thousands of pieces of Native American jewelry and pottery will be available for purchase and, of course, your 10 percent members' discount applies. All proceeds benefit the Academy of Sciences. Free holiday gift wrap also will be available. The sale will be held on Tues., **Nov. 21**, from 6 p.m. to 9 p.m. Members only are allowed from 6 p.m. to 7 p.m., including free wine and cheese bar; the general public will be admitted from 7 p.m. to 9 p.m. Be sure to bring your membership card for early admission.

YOUNG AUDIENCES

Red Panda Acrobats— Nancy and Wayne Huey bring the 2,500-year-old tradition of Chinese acrobatics to the Academy for the delight of families. Children and adults will be transfixed by seemingly impossible feats of balance, dexterity and flexibility.

Sun., Nov. 12 — 1 p.m.

This one-hour family series is presented in the auditorium and is free after general admission. Call (415) 863-1719 for more information.

Wildlife on the Menu:

The Effects of Hunting on Wildlife Populations of Northern Borneo

Co-sponsored by the Wildlife Conservation Society

Indigenous populations in Southeast Asia depend on the tropical forests for a variety of resources, from firewood to building materials to food. Dr. Elizabeth Bennett recently completed a three-year project assessing how indigenous people in Sarawak and Sabah, Malaysia use their forest resources, the first study of its kind. Bennett will discuss the long-term impacts of traditional and modern hunting practices, how conservation areas can be better protected and wildlife better conserved. Her investigations reveal the tragic long-term consequences of hunting on the balance of this fragile ecosystem.

Bennett is a conservation scientist with the Wildlife Conservation Society and a professor at the National University of Malaysia. As a result of her work, the Malaysian government invited Bennett to compile a "Master Plan for Wildlife Conservation" for Sarawak.

Tues., Nov. 14, 7:30 p.m.

\$6 Academy & WCS members/\$10 nonmembers

Terry Tempest Williams: Desert Quartet

Nature has the continuing power to enrich our minds and our lives. In the eyes and words of Terry Tempest Williams, images and scenes from the natural world can be transformed into thoughtful and inspiring meditations. They lead us to explore our unspoken hunger, our desire for a life of greater intention. But, as Williams warns, "if we ignore our connection to the land, we will render ourselves impotent as a species. No passion — no hope for survival."

Williams will read from her new book *Desert Quartet*, creating an erotic landscape with tales from personal experience and the passion of environmental activism. A discussion and book-signing will follow the reading. Williams is the author of the acclaimed book *Refuge* and the naturalist-in-residence at the Utah Museum of Natural History.

Thurs., Nov. 30, 7:30 p.m.

\$6 members/\$10 nonmembers

Savages

Back from the Amazon Basin where he was researching his latest book, author Joe Kane tells of his search for the Huaorani, a nation of 1,300 fierce warriors so remote that their language is unrelated to any other on Earth. A book-signing will follow the lecture.

Tues., Dec. 5, 7:30 p.m.

\$6 members/\$10 nonmembers

Special lectures are presented in the auditorium. Use order form for tickets. For more information, please call 750-7128.



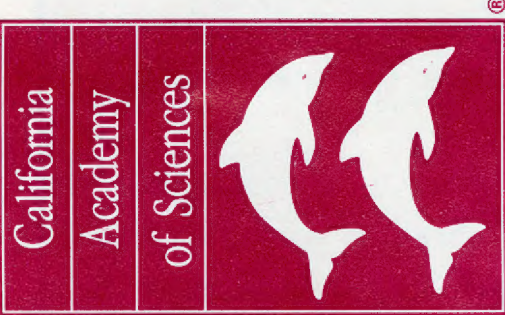
Dennis M. Golonka

California Academy of Sciences
Golden Gate Park
San Francisco, CA 94118

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San Francisco

Address Correction Requested



The Academy includes the Natural History Museum, Steinhart Aquarium and Morrison Planetarium. Open every day from 10 a.m. to 5 p.m. July 4–Labor Day we're open 9 a.m. to 6 p.m.

VISITOR SERVICES

Academy Information: 415-750-7145
Academy Store: 750-7410
Admissions: 750-7159
Aquarium: 750-7247
Biodiversity Center: 750-7361
Development Office: 750-7216
Docent Tours: 750-7155
Education Office: 750-7100
Group Information: 750-7159
Job Hotline: 750-7333
Laserium: 750-7138
Lectures: 750-7128
Library: 750-7102
Membership Office: 750-7111
Planetarium: 750-7141
Planned Giving: 750-7216
Security: 750-7000
Switchboard: 221-5100
Travel: 750-7348
Volunteer Services: 750-7154
Weekend Information: 750-7375

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THE
ACADEMY
STORE

The Academy Store offers the best selection of unique gifts for nature lovers of all ages!

Shop early at The Academy Store and receive a special 15 percent members discount on purchases made Nov. 1 through Nov. 18!

Available now! An exceptional selection of holiday cards and ornaments from around the world!

NOVEMBER

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

PERMANENT EXHIBITS

Farallons Tank: This 10,000 gallon tank showcases the local fish of California's Farallon Islands, including perch, several species of rockfish and a wolf eel.

5

12

Red Panda Acrobats, 1 p.m. (Young Audiences)
Last day for Turkish Carpet Weaving demonstrations (Traditional Arts)

19

American Indian Art Festival, 10 a.m. to 5 p.m.

26

Run to the Far Side XI, 8:30 a.m. Start

6

DOLPHIN FEEDINGS

are at 10:30 a.m., and 12:30, 2:30 and 4:30 p.m. every day

13

LASERIUM SHOWS

Thursday–Sunday, evenings, call 750-7138

27

Planetarium closed for Skyshow changes through the 30th

7

Election Day — Vote Yes on Proposition C!

14

Wildlife Populations of Northern Borneo, 7:30 p.m. (Special Lecture)

21

The Problem of Dark Matter, 7:30 p.m. (Planetarium Lecture)
Native American Jewelry Trunk Sale, 6 to 9 p.m. (Academy Store)

28

8

PLANETARIUM SKY SHOWS
on weekends at 11 a.m., and at noon, 1, 2, 3 and 4 p.m.

15

Grizzly Bears of the Northern Rockies, 2 & 7:30 p.m. (Members Meeting)



29

Back From the Ooze, 2 & 7:30 p.m. (Members Meeting)

9

MEMBERS

Please bring your membership card when you visit the Academy

16

"Lu Huan: Stone Carvings of a Chinese Master," opens Dec. 2

23

"Dancing to the Fossil Record," through Jan. 8

30

Terry Tempest Williams, 7:30 p.m. (Special Lecture)

10



Charlotte Fortin

The Socio-Economic Impact of the DOBAG Project, 7:30 p.m. (Traditional Arts Lecture)

17

PLANETARIUM SKY SHOWS
on weekdays at 2 p.m.

24

HIGHLIGHT TOURS

Free one-hour highlight tours are offered daily.

11

PENGUIN FEEDINGS

are at 11:30 a.m. and 4 p.m. every day

18

American Indian Art Festival, 10 a.m. to 5 p.m.

25

SCIENCE IN ACTION

General programs Mon.–Fri. at 11:30 a.m. Children's programs Sat. at 12:30 & 3 p.m.; this month's topic is a celebration of Grasslands.

DECEMBER DATES TO REMEMBER

- 1 - The Christmas Star sky show opens (Planetarium)
- 2 - "Lu Huan: Stone Carvings of a Chinese Master" exhibit opens
- 2 & 3 - Wang Lu Huan demonstrates his work, 1 to 4 p.m. (Traditional Arts)
- 5 - Savages, with Joe Kane (Special Lectures)

UPCOMING MEMBERS MEETINGS

- Dec. 13 - Splendors of the Sea, with Norbert Wu
- Jan. 11 - Hummingbirds, with Dr. Luis Baptista
- Feb. 14 - African Birds, with Professor Douglas Cheeseman Jr.
- Mar. 13 - The Wolf, with Pat Tucker and Bruce Weide

SPECIAL LECTURES

Wildlife Populations of Northern Borneo / Nov. 14

Terry Tempest Williams / Nov. 30

Savages, with Joe Kane / Dec. 5

PLANETARIUM'S B. DEAN LECTURE SERIES

Dark Matter / Nov. 21

Solar System Oddities / Dec. 12

GIFT MEMBERSHIP

I wish to give a gift membership to -

Address

State

Zip

Phone

City

☐ \$50 Family/Grandparent ☐ \$40 Individual ☐ \$35 Dual Senior ☐ \$30 Senior/Student

ESTATE PLANNING INFORMATION

☐ Yes, I would like to receive information on the benefits of estate planning for myself and the Academy of Sciences.

TOTAL PAYMENT ENCLOSED

\$

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(Check one)

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☐ VISA

☐ MasterCard

☐ American Express

Credit card charges gladly accepted over \$10.

Card#

Exp. Date

Signature

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Membership Office, Ticket Services

California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118

Daytime Phone

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